

URBAN DISTRICT COUNCIL,

Clayton-le-Moors.



Thirty-fourth

# Annual Report

OF THE

Medical Officer of Health

AND

Inspector of Nuisances

For the Year 1910.



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# URBAN DISTRICT COUNCIL, CLAYTON-LE-MOORS.

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## MEMBERS OF THE COUNCIL.

### CHAIRMAN :

J. RILEY, Esq., J.P.

DR. RD. CLEGG, Vice-Chairman.

Councillor J. W. COOPER,	Councillor J. CALVERT,
„ F. SHEFFIELD,	„ RD. PICKUP,
„ M. WHITTAKER,	„ R L. ARMSTRONG,
„ A. MASSEY,	„ R. HOWSON,
„ J. C. PARKER, J.P.	„ G. RICHARDSON.

### Clerk :

ARTHUR DODGEON.

### Medical Officer of Health :

DR. TATTERSALL.

### Inspector of Nuisances :

J. P. DIXON, CERT. SAN. INSP., CERT. MEAT INSP.,  
ROYAL SANITARY INSTITUTE.

### Surveyor :

ARTHUR DODGEON, Assoc. M. INST. C.E.

### Accountant :

WM. WOODHEAD.

# TOPOGRAPHY.

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## CLAYTON--LE--MOORS.

LANCASHIRE, N.E.

$53^{\circ} 46''$  to  $53^{\circ} 48''$  latitude.

$2^{\circ} 22''$  to  $2^{\circ} 24''$  longitude.

### Enfield.

Highest part of Township above Sea level, 540 feet.

Mean level, 470 feet.

### Oakenshaw.

Lowest part of Township above Sea level, 240 feet.

Mean level, 390 feet.

LANDFALL. South-Easterly to North-Westerly.

550 to 200 feet.

### Climate.

Exposed ; Atmosphere damp.

Prevalent Winds : Westerley, South-Westerly.

### Soil.

Moorland, Clay.

Surrounding Hills : On the North the Pennine Range ;

North-East : The Pendle Hills ;

North-West : Minor Hills.

Annual Rainfall : Average, 50 inches.

### Rivers.

The Hyndburn, the chief recipient of the rainfall of the district.

**Canals.**

Leeds and Liverpool Canal, dividing the Township into higher and lower portions, Enfield and Oakenshaw.

**Industries.**

Chiefly Cotton, others are Brick-making, Machine, Soap Works, and Flour Mill.

**Population.**

Estimated to middle of the year..... 9,200.

Area . . . . .	1039.922 acres.
Area of Water.....	18.078 ,,

Total.....	<u>1058</u> ,,
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Gross Assessment . . . . .	<u>£38,661 0 0</u>
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Rateable Value.....Building . . . . .	£28339 0 0
Agricultural Land.	1151 0 0

Total.....	<u>£29490 0 0</u>
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Inhabited Houses . . . . .	1994
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New Houses Certified . . . . .	7
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Persons per House . . . . .	4.6
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Uninhabited Houses.....	0
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Houses Closed . . . . .	3
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## To the Chairman and Members of the Council.

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MR. CHAIRMAN AND GENTLEMEN,

As Medical Officer of Health for the Township of Clayton-le-Moors, I have again the pleasure of submitting for your perusal and consideration the Annual Report of the Health and Vital Statistics for the year 1910, this being the thirty-fourth year that I have had the honour of being Medical Adviser of the Council.

For the purpose of estimating the various statistics, a population of 9,200 is arrived at, which represents 4.6 persons per house, there being 1,994 inhabited houses in the Township.

The principal statistics will be found Tabulated at the end of the report of the details relating to the general illness occurring during the year.

### **Births and Birth-rates.**

The number of births registered during the year is 202—Males, 98 ; Females, 104 (7 being illegitimate), representing an annual birth-rate of 21.9, as compared with 22.4 per thousand, and 204 births in the year previous.

The annual average number of births for the past ten years is 235, and the annual average birth-rate for the same period is 27.4



## Deaths and Death-rates.

During the year the number of deaths registered is 127—Males, 62 ; Females, 65, representing an annual death-rate of 13.8 per thousand, as against 14 in the previous year. Nine of the deaths occurred in Institutions outside the district :

Blackburn Workhouse .....	6
Accrington Victoria Hospital .....	2
Manchester St. Mary's Hospital.....	1

The death-rate occurring actually in the District is 12.8 per thousand.

The average death-rate of the past ten years is 15.4 per thousand, and the annual average number of deaths is 132.

The mortality from all causes of disease and at all ages is thus tabulated :—

Under 1 year .....	29	} Total under 5 years
1 year and under 5 years..	18	
5 years ,, 15 years..	4	} Total, 5 years and upwards, 80.
15 years ,, 25 years..	4	
25 years ,, 65 years..	43	
65 years and upwards <sup>6</sup> .....	29	
		47

## BIRTHS AND DEATHS FOR THE YEAR.

	BIRTHS		DEATHS	
	M.	F.	M.	F.
January .....	12	9	5	8
February .....	10	3	3	9
March.....	10	8	5	6
April .....	5	15	5	4
May .....	6	9	4	8
June .....	11	13	3	3
July.....	8	11	7	2
August .....	11	8	11	8
September .....	6	10	5	5
October .....	1	10	3	5
November .....	8	4	3	5
December .....	10	4	8	2
	—	—	—	—
	98	104	62	65
	—	—	—	—
Natural increase, 75.	202		127	

The natural increase of births over deaths for the year is 75, the same as the previous year.

The following Table will show the natural increase during the past ten years, 1900--1909 :—

YEAR.		BIRTHS.		DEATHS.		INCREASE.
1900	...	257	...	172	...	85
1901	...	230	...	113	...	117
1902	...	260	...	139	...	121
1903	...	238	...	138	...	100
1904	...	231	...	141	...	90
1905	...	215	...	125	...	90
1906	...	251	...	124	...	127
1907	...	237	...	121	...	116
1908	...	230	...	126	...	104
1909	...	204	...	129	...	75

Average yearly increase—102.

### Infant Mortality.

The deaths of infants under one year of age is 29, and form 22 per cent. of the total deaths, representing a death-rate of 143 for every 1,000 children born. The death-rate for the previous year was 117 per 1,000 births. Average death-rate, 146.

### Zymotic Diseases.

Mortality from the principal Zymotic diseases :—

	Deaths.
Smallpox .....	0
Measles .....	7
Scarlet Fever .....	0
Diphtheria and Membranous Croup .....	1
Enteric Fever.....	0
Whooping Cough .....	2
Diarrhœa.....	0
Total.....	10

representing a rate of 1.1



In the previous year there were seven deaths ; a death-rate of 0.7 per thousand.      Average death rate 1.6.

Comparative death-rates from Zymotic disease for the years 1900--1909 :—

YEARS.		DEATHS.		DEATH RATE.
1900	...	22	...	2.7
1901	...	11	...	1.3
1902	...	15	...	1.8
1903	...	10	...	1.1
1904	...	24	..	2.8
1905	...	8	...	0.9
1906	...	15	...	1.8
1907	...	9	...	1.0
1908	...	20	...	2.2
1909	...	7	...	0.7

Zymotic average death-rate, 1.6

The Infectious Diseases reported during the year is 43, as against 44 in the previous year.

# **Infectious Diseases** reported during 1910.

	Total	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Scarlet Fever .....	27	...	...	1	...	...	2	4	2	4	7	4	3
Diphtheria .....	{ 4	1	...	2	...	...	...	...	...	1	...	...	...
Membranous Croup..		...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever .....	4	...	1	2	1	...	...	...	...	...	...	...	...
Puerperal Fever .....	1	...	...	...	...	1	...	...	...	...	...	...	...
Erysipelas .....	7	1	2	1	...	...	1	...	2	...	...	...	...
Total.....	43	2	3	6	1	1	3	4	4	5	7	4	3

Comparative incidence of Infectious Diseases for years 1901—1910:—

	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
Smallpox ... ..	...	...	1	...	...	...	...	...	...	...
Scarlet Fever .....	46	59	88	15	7	6	30	18	15	27
Diphtheria .....	11	9	10	2	2	9	8	12	11	4
Membranous Croup..	3	8	...	2	5	...	2	2	...	...
Enteric Fever .....	10	3	7	6	12	7	6	3	1	4
Puerperal Fever .....	...	2	1	1	...	...	1	3	2	1
Erysipelas .....	15	18	14	16	25	8	12	10	15	7
Total.....	85	99	121	42	51	30	59	48	44	43

**Measles.**

From this illness seven deaths occurred. The illness was prevalent about the middle of the year.

**Whooping Cough.**—Two deaths.

**Scarlet Fever.**

Twenty-seven cases of this illness were reported, but there was no mortality. The general average death-rate from this illness is .07 per thousand.

**Diphtheria and Membranous Croup.**

Four cases were reported, resulting in one death. The death-rate is 0.10 per thousand. Average 0.33

**Enteric Fever.**

Four cases of this illness were reported. No death. The origin could not be traced, and the cases were of a mild character. The average mortality from this illness is 0.12

**Phthisis, or Pulmonary Tuberculosis.**

There were five deaths from this illness from the age of fifteen years and upwards, representing a death-rate of 0.54 per thousand, compared with ten deaths and 1.0 per thousand of the previous year. Average death-rate is 0.74

**Other Tubercular Diseases.**

Six deaths occurred in this class. Death-rate 0.65 as against 0.4 per thousand in the year previous. Average death-rate, 0.4

**Respiratory Diseases.**

These, the most common diseases of the district, include Pneumonia, Bronchitis, and Pleurisy, and are caused by climatic changes, cold winds, and rainy weather. There were 25 deaths from these illnesses, representing a death-rate of 2.7 per thousand, compared with 2.8 in the previous year. Average, 2.7

**Diarrhoea.**

There were no deaths from this illness. Average, 0.42

**Cancer, Malignant Disease.**

From Cancer of various parts of the body, seven deaths occurred, representing a death-rate of 0.76 as compared with 0.5 in the year previous. Average, 0.49

**Alcoholism.**

From diseases produced by Alcohol, two deaths are recorded. Death-rate, 0.21. Average, 0.27

**Heart Diseases.**

These diseases resulted in ten deaths, representing a death-rate of 1.08 Average, 1.29

**Observations.**

The prevalence of diseases affecting the Lungs, such as Pneumonia, Bronchitis, and Phthisis, and those illnesses arising as complications of Rheumatism and Rheumatic Fever, in the form of Heart Disease, indicates the character of the climate of Clayton-le-Moors, its variability in sudden and sharp fluctuation of temperature, damp atmospheric conditions, with a somewhat continuous rainfall.

In other respects the health of the Township is conditioned by the habits and industries of the people. Particularly is this the case with Cotton Weaving, the general monotony and atmospheric environment not being favourable to good health, while the conditions of food and feeding in relation to time and work tend to deteriorate the normal processes of nutrition and general well-being. More especially does this result accrue to the female population, and increasingly so in those who have families ; but both male and female adults, as well as children, are conditioned in their health as their relation to home and work, their domestic surroundings, and circumstances, physical and moral.



The general conditions favourable to health, such as sufficient breathing space, ventilation, properly prepared and suitable food, time to attend to and promote healthy surroundings, are not in evidence.

The relation of Infant life to the conditions of livelihood, are not conducive to lessening the mortality in this direction. The constant attention and nursing by the mother, are requisite in infant life, but the out-nursing present features inimical to the life of infants.

But of all conditions considered in relation to health and sickness, is the indifference to the fact, that disease and sickness is caused by disease germs, and that no efforts should be spared in promoting cleanliness in living, in eating, in clothing, in and about the houses and rear of premises, where often there are accumulations of refuse and rubbish. The habit also of sleeping in rooms too small, according to number of persons, with tightly closed windows, often impossible to open, is a prolific source of disease and bad health.

### **Sanitary Matters.**

The general sanitary condition of the Schools in the Township are satisfactory, though the closets and urinals, on inspection, appeared to be not so well cared for in respect to efficient cleanliness and freedom from noxious emanation.

Disinfectants are desirable and more often used (if they are used at all), and some person in charge of the scholars should see to the proper use of the conveniences.

For the prevention of Infectious Diseases it is a satisfactory arrangement that all cases, when desired, can now be removed to the Isolation Hospital by arrangement with a neighbouring Authority.

We have not yet any proper means of destroying refuse, but as far as possible and practicable this is fairly attended to.



Disinfection also is carried out as far as it is possible to do so under present circumstances, and in cases thought necessary bedding and articles are destroyed after infectious cases.

The Water supplied to the Township is ample, and so far as appearances go it is of potable quality. However, as it is some time since we had an analysis, it would be desirable that there should be a further analysis.

### Scavenging.

The efficiency of this Department is satisfactory. No complaints have been received, and the following work was done during the year :—

No. of Ashpits emptied .....	4770
,, Ashpails ,, .....	7750
,, Pails ,, .....	746
Loads of House Refuse removed .....	4083
,, Street Sweepings .....	813
Hand-cart Street Sweepings .....	2131
Cart loads of Snow .....	813
Blocked Water Closets and Drains opened.	154

### Sanitary Improvements.

Front Streets paved ..... 8100 lin. yards

Other matters relating to Sanitary work in the Report of Mr. Dixon, the Nuisance Inspector, and fully Tabulated Statistics of the Sickness and Mortality of the Township will be found appended.

I am,

Yours obediently,

L. TATTERSALL,

Medical Officer of Health.



## CAUSE OF, AND AGES AT, DEATH DURING YEAR 1910.

CAUSE OF DEATH.	Deaths in or belonging to whole District at Subjoined Ages.						
	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards
I	2	3	4	5	6	7	8
Smallpox .....	...	...	...	...	..	...	...
Measles .....	7	...	6	1	...	..	...
Scarlet Fever.....	..	...	...	...	..	...	...
Whooping Cough.....	2	1	1	...	..	...	...
Diphtheria and Membranous Croup...	1	...	1	..	...	...	...
Croup .....	...	...	...	...	...	...	...
Fever { Typhus.....	...	...	...	...	...	...	...
{ Enteric.....	...	...	...	..	...	...	...
{ Other continued.....	...	...	...	..	...	...	...
Epidemic Influenza .....	...	...	...	...	...	...	...
Cholera .....	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...
Diarrhœa .....	...	...	...	...	...	...	...
Enteritis.....	2	2	...	...	...	...	...
Gastritis.....	...	...	...	...	...	...	...
Puerperal Fever .. ..	1	...	...	...	...	1	...
Erysipelas .....	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis) ..	5	...	...	...	1	4	...
Other Tubercular Diseases.....	6	...	2	2	1	1	...
Cancer, Malignant Disease.....	7	...	...	..	..	7	...
Bronchitis .. ..	19	7	1	...	...	3	8
Pneumonia.....	6	2	2	...	...	...	2
Pleurisy .....	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	...	...	...	...	...	...	...
Alcoholism .....	...	...	...	...	...	...	...
Cirrhosis of Liver { .....	2	...	...	...	...	1	1
Venereal Diseases.....	1	...	...	...	...	1	...
Premature Birth .....	3	3	...	...	...	...	...
Diseases and Accidents of Parturition	5	2	...	...	...	3	...
Heart Diseases.....	10	..	...	1	...	6	3
Accidents .....	6	1	2	...	1	2	...
Suicides .....	...	...	...	...	...	...	...
All other causes.....	44	11	3	...	1	14	15
All causes.....	127	29	18	4	4	43	29



# Vital Statistics of Whole District during 1910 and Previous Years.

YEAR.	Popula- tion estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Num- ber.	Rate.	Under 1 year of age.		At all Ages.			Num- ber.	Rate.
				Num- ber.	Rate per 1,000 Births registered	Num- ber	Rate.			
I	2	3	4	5	6	7	8	9	10	11
1900	8100	257	31'7	50	194	169	20'8	3	172	21'2
1901	8200	230	28	33	143	111	13'5	2	113	13'7
1902	8300	260	31'3	41	157	135	16'2	4	139	16'7
1903	8400	238	28'3	36	151	128	15'2	10	138	16'4
1904	8500	231	27'1	35	151	139	16'2	2	141	16'4
1905	8600	215	25	29	134	120	14	5	125	14'5
1906	8700	251	28'8	35	139	119	13'6	5	124	14'2
1907	8900	237	26'6	34	143	109	12'2	12	121	13'5
1908	9000	230	25'5	31	134	113	15'5	13	124	14
1909	9100	204	22'4	24	117	120	13	9	129	14
Averages for years 1900-1909	8588	235	27'4	34	146	126	14'7	6	132	15'4
1910	9200	202	21'9	29	143	118	12'8	9	127	13'8

Area of District in acres (exclusive of area covered by water) 1039.922.

Total population at all ages .....	8200	} At Census of 1901.
Number of Inhabited Houses .....	1740	
Average number of persons per house ....	4·7	





# INFANTILE MORTALITY DURING THE YEAR 1910.

## Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1—2 Weeks.	2—3 Weeks.	3—4 Weeks.	Total under 1 Month	1—2 Months	2—3 Months	3—4 Months	4—5 Months	5—6 Months	6—7 Months	7—8 Months	8—9 Months	9—10 Months	10—11 Months	11—12 Months	Total Deaths under 1 year
All Causes	{ Certified ...	7	2	...	...	9	3	4	1	1	1	1	2	2	1	3	1	29
	{ Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases.	{ Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Diphtheria (including Membranous Croup).	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Diarrhoeal Diseases.	{ Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Enteritis, Muco-enteritis, Gastro-enteritis	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	2
Wasting Diseases.	{ Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Premature Birth	2	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	3
	{ Congenital Defects	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Diseases.	{ Injury at Birth	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
	{ Want of Breast Milk, Starvation	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
	{ Atrophy, Debility, Marasmus	...	...	...	...	...	1	...	...	...	...	...	1	...	...	1	...	3
	{ Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Tuberculous Peritonitis: Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes.	{ Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Meningitis (not Tuberculous)	1	...	...	...	1	...	...	...	...	...	1	...	...	1	...	...	3
	{ Convulsions	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	7
	{ Bronchitis	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
Other Causes.	{ Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2
	{ Pneumonia	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	{ Suffocation, overlaying	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	{ Other Causes	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
		7	2	...	...	9	3	4	1	1	1	1	2	2	1	3	1	29



# Cases of Infectious Disease notified during the year 1910.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							NO. OF CASES REMOVED TO HOSPITAL.							
	At all Ages.	At Ages—Years.						1	2	3	4	5	6	7	8
		Under 1.	1 to 5	5 to 15	15 to 25	25 to 65	65 and upw'rds								
Small-pox	...	...	...	...	...	...	...								
Cholera	...	...	...	...	...	...	...								
Diphtheria (including Membranous croup)	4	3	1	..	..	...	...								
Erysipelas	7	2	1	..	..	4	...								
Scarlet Fever...	27	...	18	1	1	...	...								
Typhus Fever	...	...	...	...	...	...	...								
Enteric Fever	4	..	2	2	2	...	...								
Relapsing Fever	...	...	..	...	...	...	...								
Continued Fever	...	..	...	...	...	...	...								
Puerperal Fever	1	...	...	...	...	1	...								
Plague	...	...	...	...	...	...	...								
Totals	43	2	11	22	3	5	..								

Isolation Hospital. Name and Situation—Burnley and Accrington (by arrangement.)



## Deaths Annually from Various Causes.

	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Average 10 yrs.
Measles .....	6	1	...	1	11	...	8	3	2	1	3'3
Scarlet Fever.....	...	...	1	4	...	...	...	1	...	...	0'6
Whooping Cough	9	...	4	...	4	1	2	...	4	1	2'5
Diphtheria and Membranous Croup .....	3	6	8	2	2	1	...	3	2	2	2'9
Enteric Fever.....	2	1	1	1	1	3	1	..	1	...	1'1
Influenza .....	1	2	2	..	1	1	1	1	1	1	1'1
Diarrhoea .. .....	3	3	1	2	6	3	5	2	1	3	2'9
Puerperal Fever..	1	...	2	1	1	..	..	...	2	2	0'9
Erysipelas .....	...	1	...	..	1	...	..	...	...	..	0'2
Phthisis .....	5	11	4	4	4	6	9	6	6	10	6'4
Other Tubercular Diseases .....	11	3	2	2	3	1	3	7	2	4	3'8
Cancer .. .....	3	4	4	8	3	5	6	5	2	5	4'5
Respira- tory. {											
{ Bronchitis ..	20	10	17	19	12	12	9	15	14	13	23
{ Pneumonia...	9	13	13	3	14	12	6	5	7	9	
{ Alcoholism { Cirrhosis of { Liver.....	3	5	2	1	1	5	3	3	2	1	2'6
Heart Diseases..	11	8	15	14	16	7	9	11	9	14	11





# **Death Rates from Principal Diseases. 1900—1909.**

	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Aver 10 yr
Measles .....	0.7	0.1	...	0.1	1.2	...	0.9	0.33	0.22	0.1	0.36
Scarlet Fever.....	...	...	0.12	0.47	...	..	..	0.11	...	..	0.07
Whooping Cough	1.1	...	0.4	...	0.4	0.1	0.2	...	0.44	0.1	0.27
Diphtheria and Membranous Croup .....	0.3	0.73	0.96	0.23	0.23	0.11	...	0.33	0.22	0.22	0.33
Enteric Fever.. ...	0.24	0.12	0.12	0.11	0.11	0.34	0.11	.	0.11	..	0.12
Epidemic Influenza .....	0.1	0.2	0.2	...	0.1	0.1	0.1	0.1	0.11	0.1	0.11
Diarrhœa ... . .	0.3	0.3	0.1	0.2	0.7	0.34	0.57	0.22	1.22	0.3	0.42
Puerperal Fever..	0.1	...	0.2	0.1	0.1	...	...	.	0.22	0.22	0.09
Phthisis .....	0.6	1.3	0.48	0.47	0.47	0.69	1.03	0.67	0.66	1.09	0.74
Other Tubercular Diseases .....	1.2	0.3	0.2	0.2	0.35	0.1	0.34	0.78	0.22	0.4	0.4
Cancer .. ...	0.3	0.4	0.4	0.95	0.35	0.58	0.68	0.56	0.22	0.5	0.49
Respiratory Diseases .....	3.5	2.8	3.7	2.6	3.0	2.7	1.7	2.4	2.3	2.8	2.7
Alcoholism .....	0.3	0.5	0.2	0.1	0.1	0.58	0.34	0.33	0.22	0.1	0.27
Heart Diseases..	1.35	0.9	1.8	1.6	1.8	0.8	1.03	1.2	1.0	1.5	1.29
Erysipelas .....	...	0.1	...	...	0.1	...	...	...	...	...	0.02



1910.

# Comparative Birth and Death Rates

IN NEIGHBOURING TOWNS AND BOROUGHES.

	Population	Birth Rate.	Death Rate.	Infant Deaths per 1000 Births.	Zymotic Diseases.	Respiratory Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer Malignant Disease.	Average Death Rates for 10 years.
Blackburn .....	136996	21.5	14.2	136	1.40	2.65	0.80	0.40	0.92	17.3
Burnley .....	107448	24.9	16.2	168	2.54	3.13	1.01	0.52	0.82	18.2
Accrington .....	46850	19.76	12.80	109	0.79	1.75	0.79	0.36	0.94	14.68
Haslingden .....	20457	16.13	13.78	157	0.87	2.24	0.87	0.29	1.12	14.56
Oswaldtwistle ...	15150	21.78	14.45	118	1.65	2.64	0.66	0.39	1.18	15.97
Great Harwood...	14000	19.14	10.5	111	0.57	1.5	0.28	0.35	0.78	13.1
Clayton-le-Moors.	9200	21.9	13.8	143	1	2.7	0.54	0.65	0.76	15.4
Rishton .....	...	...	...	...	...	...	...	...	...	...
Church .....	7000	24.5	16	186	1.1	2.3	0.71	0.85	0.71	16.2



## ENGLAND AND WALES.

### VITAL STATISTICS FOR 1909.

The following are the provisional figures showing the birth-rates and death-rates in England and Wales in the year 1909 :—

	Annual rate per 1,000 living.				Deaths under one year to 1,000 births.
	Births	Deaths.		Principal epidemic diseases.	
		Crude.	Correct'd*		
England and Wales . . . . .	25·6	14·5	14·5	1·12	109
76 great towns . . . . .	25·7	14·7	15·6	1·42	118
143 smaller towns . . . . .	24·8	13·9	14·5	1·08	111
England and Wales less } the 219 towns . . . . . }	25·6	14·5	13·6	0·80	98

### VITAL STATISTICS FOR 1910.

The following are the provisional figures showing the birth-rates and death-rates in England and Wales in the year 1910 :—

	Annual rates per 1,000 living.				Deaths under one year to 1,000 births.
	Births	Deaths.		Principal epidemic diseases.	
		Crude.	Correct'd*		
England and Wales.....	24·8	13·4	13·4	0·99	106
77 great towns .....	25·0	13·4	14·3	1·23	115
136 smaller towns.. .....	23·7	12·4	12·9	0·88	164
England and Wales less } the 213 towns .....	25·0	13·6	12·8	0·74	96

\* The corrected death-rates are the rates which would have been recorded had the age and sex constitution of the populations of the several areas been identical with that of England and Wales as enumerated in 1901.





**SUMMARY.**


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Population.	Houses.
9,200.	1,994.
Persons per House, 4·6.	

Births.	Birth-rate.
202 (7 Illegitimate).	21·9.

Deaths.	Death-rate.
127	13·8.

---

Under 5 years	...	...	...	5·1.
5 years to 25	...	..	...	0·8.
25 years to 65	...	...	...	4·7.
65 years and upwards	...	...	...	3·2.

Infant Death-rate.  
Per 1,000 Births, 143.

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Zymotic Diseases	...	...	...	Death-rate.
				1·1
Respiratory	..	..	...	2·7
Phthisis	...	...	...	0·54
Other Forms Tuberculosis	...	...	...	0·65
Malignant Diseases	...	..	...	0·76

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Average Death-rate 10 years—15·4.



### MORTALITY at certain Seasons.

#### Monthly Record of Deaths for years 1902—1910.

	1902	1903	1904	1905	1906	1907	1908	1909	1910
January .....	13	13	16	12	16	14	13	12	13
February .....	7	11	16	11	11	11	11	10	12
March ... ..	12	16	9	17	8	11	14	18	11
April .....	12	8	12	10	12	11	7	13	9
May .....	19	11	17	9	8	18	7	9	12
June .....	13	11	8	10	10	3	10	12	6
July ... ..	10	8	10	6	9	8	8	8	9
August .....	7	10	10	10	7	9	8	6	19
September .....	5	5	9	7	16	3	5	14	10
October .....	14	10	11	13	9	11	14	11	8
November .....	13	17	9	10	11	7	15	8	8
December .....	14	18	14	10	7	15	14	8	10



**POPULATION.****CENSUS.**

Year.		Persons.		Increase.
1841	.....	2602	.. ...	—
1851	.....	3292	.. ...	690
1861	.....	4679	.....	1387
1871	.....	5390	.....	711
1881	.....	6694	.....	1304
1891	.. ...	7134	... ..	440
1901	.....	8153	.....	1019

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**HOUSES ACCOMMODATION.**

		Inhabited Houses.		Uninhabited Houses.		New Houses.
1901	...	1740	...	—	...	—
1902	...	1784	...	—	...	—
1903	...	1799	...	—	...	—
1904	...	1850	...	—	...	—
1905	...	1919	...	—	...	—
1906	...	1926	...	—	...	—
1907	..	1942	...	—	...	16
1908	..	1969	...	—	...	27
1909	...	1984	...	6	...	21
1910	...	1994	...	3 (closed)		7





# Report of Inspector of Nuisances.

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*To the Chairman and Members of the Council.*

MR. CHAIRMAN AND GENTLEMEN.

I respectfully beg to submit to you the following Report of Sanitary Work carried out during the year.

## Nuisances.

One hundred and thirty-two complaints were received, and on investigation, 149 sanitary conveniences of the waste-water type, and drains were found to be blocked.

In addition, 17 preliminary notices were issued, calling for the abatement of 24 nuisances, viz. :—

- 5 defective drains,
- 2 bad smells arising from offensive trades,
- 4 accumulations of manure and other refuse,
- 2 broken tippers belonging to waste water closets,
- 3 defective internal floors and walls of dwelling-houses,
- 2 overcrowding of dwelling-houses,
- 4 flooding of cellars in dwelling-houses,
- 1 black smoke from factory chimney,
- 1 insufficient and unsuitable sanitary convenience at dwelling-house,

—  
24 as compared with

Notices.		Nuisances		Year.
32	.....	36	.....	1909
55	.....	77	.....	1908
62	.....	92	.....	1907

It was also necessary to issue two notices under the Public Health Acts, informing the owners of certain premises that legal proceedings would be taken against them if the nuisances at the said premises were not abated within the time specified in such notices, as compared with

Legal Notices	3	.....	1909	year
„ „	2	.....	1908	„
„ „	2	.....	1907	„

Complaints on account of the nuisance arising from the Sewage Outfall Works, situate in Church Lane, Altham, adjoining the District of Clayton-le-Moors, have again been made during the year.

### **Housing Accommodation.**

The housing accommodation has again been slightly improved during the year, seven additional dwelling-houses having been certified by the Surveyor, as compared with 21 during 1909, 27 during 1908.

Three privy middens have been altered to pail closets, as compared with two privy-middens altered to sanitary conveniences on the fresh-water system during 1909, and five during 1908.

Three open ash-pits have been removed, and re-placed with galvanized iron bins of suitable type in covered spaces, as compared with eight during 1909.

Three closing-orders under the Housing and Town Planning Act, 1909, were made for houses considered unfit for human habitation.

Total number of dwelling-houses at the year 1909.....	1990
Number of houses certified during 1910.	7
Number closed as unfit for habitation during 1910.....	3
Total at the end of 1910.....	1994

**Closet Accommodation** (DWELLING-HOUSES).

Privy-Middens } Fixed Receptacles {	.....	nil
Privy-Tanks }	.....	13
Pails (Removable Receptacles).....		27
Waste-Water (Tippers) .....		1997
Fresh-Water (Separate and in Duplicate with Waste-Water) .....		53

**Conversions.**

Privy-Middens to Pails (Removable Re- ceptacles .....	3
--	---

**Infectious Diseases.**

Forty-three cases of various Infectious Diseases (in addition to 34 cases of Measles) have been notified during the year, as compared with

44	and	41	respectively in	1909
48	,,	43	,,	1908
49	,,	50	,,	1907

Each case was investigated, and particulars relating to the same were obtained, which were in due course reported to the Medical Officer of Health.

Inspections with regard to the drains and general surroundings were made at the premises where the diseases had occurred, and any nuisances found were dealt with immediately.

The Milk Supply was also inquired into with the endeavour to trace, if possible, any cause of disease from this source.

Hand-bills relating to Infectious Diseases were distributed throughout the District, drawing special attention that children affected with Measles should be reported immediately by the parents to the Health Office.

The rooms and bedding, etc., where cases of Infectious Diseases had occurred were disinfected to the best advantage as circumstances would permit.

### **Unsound Food.**

During the year particular attention has been given to the food supply, and, with the exception of a few cases of diseased organs of cattle and sheep, which were willingly surrendered, it has not been necessary to seize any diseased or unsound food.

A few of the milk purveyors, whose farms are not situated within the District of Clayton-le-Moors, have been in the habit of bringing meat into this District, and hawking the same to their milk customers and others.

The great danger that underlies this practice is that the meat may not have been examined by a qualified inspector, and may have been taken from animals suffering from contagious or other diseases, and therefore a dangerous article of food.

### **Slaughter-houses.**

Two renewal licenses were granted at the commencement of the year to occupiers of certain premises, for the purpose of slaughtering animals intended for human consumption.

Frequent visits have been paid to the slaughter-houses in the Township, and no cause for complaint has arisen against the occupiers not complying with the bye-laws relating thereto.

It would be a great advantage to the Township generally if Public Abattoirs were established.

### **Farms, Dairies and Cowsheds.**

The farms have, as usual, received considerable attention during the year, and the lime-washing of shippens, etc. attended to.



It was necessary to caution certain farmers who had slaughtered animals at their farms which were intended for sale for food, and who did not occupy licensed slaughter-houses, that unless they discontinued the practice they would be severely dealt with. The warning had the desired effect.

### **Offensive Trades.**

The general observance of the regulations applying to the trades of Soap-boiling, Tallow-melting, and Tripe-boiling have been attended to by the persons engaged therein, and only two complaints have arisen, viz., offensive smells from Soap Works.

Two applications were made for permission to establish offensive trades within the District, viz., Tallow-melting, but these, after due consideration, were refused, as compared with two applications in 1909, viz., one Soap-boiling and one Tallow-melting.

As the establishment of offensive trades do not tend to improve the public health of a District, it is necessary in every case that very serious consideration should be given to the same before being sanctioned by the Council.

### **Smoke Observations.**

Several observations of smoke being emitted from the factory chimneys were taken, and in one case only was it found necessary to caution the owners of the nuisance arising therefrom.

### **Petroleum.**

Two licences were granted for the storing and selling of Petroleum during the year.

## Factories and Workshops.

The sanitary conditions of the Factories and Workshops generally are in compliance with the laws relating thereto.

At one of the factories ten privy-closets have been reconstructed, and placed on the water-carriage system.

The following is a list of the Factories and Workshops in the Township :—

Cotton Mills .....	10	
Soap Works.....	2	
Calico Printing Works .....	1	
Iron Foundry .....	1	
Stone Quarry ... ..	1	
Book. etc Printing Works .....	1	
Corn Mill .....	1	
Brick Works.....	1	
Laundry.....	1	
Saw Mill .. ..	1	
Malt Extract Works .....	1	
Chemical Works .....	1	
Rubber Works.....	1	
Mineral Water Works .....	1	
	—	24
Bakers and Confectioners .....	18	
Cloggers and Shoe Makers .....	12	
Dress Makers and Milliners .....	12	
Hosiers and Underclothiers .....	5	
Tailors .....	3	
Joiners and Builders .. ..	4	
Blacksmiths .....	3	
Plumbers and Painters .....	5	
Harness Makers .....	2	
Tripe Boilers.....	2	
Tinplate workers .....	1	
	—	67
		—
		91

## Factories and Workshop Act, 1901.

### 1.—INSPECTIONS.

	Inspections.	Written Notices.	Prosecutions.
Factories .....	24	1	...
Workshops .....	67	...	...
Workplaces.....	2	...	...
	<hr/>	<hr/>	<hr/>
	93	1	..

### 2.—DEFECTS FOUND.

	Found	Remedied
Want of Cleanliness .....	...	...
Unsuitable or Defective Accom- modation .....	1	1
	<hr/>	<hr/>
	1	1

### 3.—HOME WORK.

	Making of Wearing Apparel.
Lists received twice a year :—	
Lists .....	2
Outworkers .....	4
Lists received and forwarded :—	
From other Councils .....	2
To other Councils .....	...
Inspection of Premises .....	2

### 4.—REGISTERED WORKSHOPS.

(At the end of Year).

Important Classes	{ Bakers and Confectioners .....	18
	{ Cloggers and Shoemakers .....	12
	{ Dressmakers and Milliners .....	12
	{ Tailors .....	3
	{ Others ..	22
		<hr/>
Total... ..		67



## 5.—OTHER MATTERS.

Action taken in matters referred by H. M. Inspectors under the Public Health Acts.	Notified by H. M. Inspector ...	3
	Reports (of action taken) sent to H. M. Inspector.....	3

I am,

Your obedient Servant,

JAMES P. DIXON,

*Cert. San. and Meat Insp.,  
Royal Sanitary Institute,*

Inspector of Nuisances.



